CLAIMS

1. An information entry apparatus comprising:

an alphanumeric entry unit for entering alphanumeric string information,

a display unit for displaying keywords comprised of predetermined alphanumeric strings in a plurality of corresponding fields on a display screen,

a word dictionary for storing a plurality of keywords corresponding to the plurality of fields and a plurality of similar words for deducing those keywords linked with each of those keywords, and

an alphanumeric information processing unit for cutting out predetermined word strings from the entered alphanumeric string, searching through the word dictionary by the cut out words, extracting corresponding group of keywords from a dictionary column for which matches are obtained by comparison with keywords of the dictionary or similar words, and displaying these all at once in the plurality of corresponding fields of the display unit.

2. The information entry apparatus as set forth in claim 1, wherein the alphanumeric information processing unit searches through the word dictionary by the entered alphanumeric string and successively cuts out from the entered alphanumeric string as predetermined words the words of portions for which matches are obtained by comparision with the keywords of the dictionary or similar words.

3. The information entry apparatus as set forth in claim 1, further comprising a conjugated alphanumeric string information dictionary for storing conjugated alphanumeric string information comprised of a plurality of sets of alphanumeric string information elements, wherein

the alphanumeric information processing unit searches through the conjugated alphanumeric string information dictionary by predetermined words cut out

from the entered alphanumeric string and extracts the
overall conjugated alphanumeric string information for
which matches are obtained by comparison with part or all
of the conjugated alphanumeric string information in the
5   dictionary and displays the same in the corresponding
fields of the display unit.

     4.   The information entry apparatus as set forth in
claim 1, further comprising a keyword dictionary for
storing a plurality of first keywords corresponding to
10   predetermined display fields of the display unit and a
plurality of second keywords in a predetermined relation
with the first keywords linked with each of the first
keywords, wherein

          the alphanumeric information processing
15   unit searches through the keyword dictionary by a second
keyword displayed in another predetermined display field
of the display unit, extracts the corresponding first
keyword from the dictionary column for which a match is
obtained by comparison with the second keyword of the
20   dictionary, and displays the same in the predetermined
display field.

     5.   The information entry apparatus as set forth in
claim 1, further comprising a form dictionary for storing
a plurality of form information corresponding to a
25   plurality of types of display formats and one or more
keywords corresponding to the form information linked
with each of the form information, wherein

          the alphanumeric information processing
unit refers to the form dictionary by a keyword displayed
30   in a predetermined display field of a first screen,
extracts the corresponding form information from the
dictionary column for which a match is obtained by
comparison with the keywords of the dictionary, and
displays the screen of the display format corresponding
35   to the form information on a second screen.

     6.   The information entry apparatus as set forth in
claim 1, wherein the alphanumeric information processing

unit is provided with a first entry mode for designating keywords displayed all at once in corresponding fields of the display unit as provisional primary entries and for displaying the keywords of the primary entries by a first
5   alphanumeric color.

7.   The information entry apparatus as set forth in claim 6, wherein the alphanumeric information processing unit is provided with a second entry A mode where one of a plurality of keywords extracted for one display field
10   of the display unit is displayed in the corresponding display field, the remaining keywords are displayed in a list in a display area near the display field, and a keyword displayed in a corresponding display field is replaced by a keyword selected in accordance with a
15   predetermined manual selection operation on the list of keywords.

8.   The information entry apparatus as set forth in claim 6, wherein the alphanumeric information processing unit is provided with a secondary entry B mode where the
20   keyword of the primary entry is directly changed or replaced by alphanumeric information entered from the alphanumeric entry unit.

9.   The information entry apparatus as set forth in claim 1, wherein the alphanumeric entry unit is provided
25   with a keyboard, a digitizer and a handwritten alphanumeric recognition unit for recognizing a handwritten alphanumeric string for entry into the digitizer, and/or a microphone and a speech recognition unit for recognizing the speech entered into the
30   microphone.

10.   The information entry apparatus as set forth in claim 9, wherein

the digitizer is provided with a handwritten free entry space of a handwritten entry free
35   format, and

the alphanumeric information processing unit cuts out predetermined word strings from the

alphanumeric string handwritten in the handwritten free entry space and recognized by the alphanumeric recognition unit in the order of the handwritten alphanumerics.

11. The information entry apparatus as set forth in claim 10, wherein the digitizer is provided with field-specific handwritten entry spaces enabling handwritten alphanumeric strings to be directly entered into corresponding designated fields of the display screen and the sizes of the handwritten free entry space and/or field-specific handwritten entry spaces can be changed independently of each other or linked with each other in accordance with a predetermined manual operation.

12. The information entry apparatus as set forth in claim 9, wherein the alphanumeric information processing unit executes the primary entry mode of the sixth aspect, the secondary entry A mode of the seventh aspect, and the secondary entry B mode of the eighth aspect in a predetermined sequence and executes the secondary entry A mode after the end of the primary entry mode when a display field is selected for which a plurality of keywords have been extracted and executes the secondary entry B mode in other cases.

13. The information entry apparatus as set forth in claim 12, wherein the alphanumeric information processing unit processes the keyed in alphanumeric string from the keyboard at the time of start of execution of the secondary entry B mode or during the execution of the same when a alphanumeric entry operation is performed on the keyboard, processes the recognized alphanumeric string from the handwritten alphanumeric recognition unit in the secondary entry A mode when a handwritten alphanumeric entry operation is performed on the digitizer, and processes the recognized alphanumeric string from the speech recognition unit in the secondary entry B mode when speech is entered into the microphone.

14. The information entry apparatus as set forth in

claim 6, further comprising an individual confirmation instruction unit for individually manually confirming the information of a display field in the primary entry state, wherein

5   the alphanumeric information processing unit designates the information of the display field as being confirmed in accordance with an instruction operation of the individual confirmation instruction unit on the selected display field.

10   15.   The information entry apparatus as set forth in claim 14, wherein further provision is made of a display field selection control unit for sequentially selecting display fields in the primary entry state by a priority order determined corresponding to the display fields in

15   advance.

          16.   The information entry apparatus as set forth in claim 6, further comprising a full confirmation instruction unit for enabling manual confirmation of all of the display fields of the primary entry state all at

20   once, wherein

          the alphanumeric information processing unit designates the information of all of the display fields in the primary entry state as confirmed all at once in accordance with an instruction operation of the

25   full confirmation instruction unit.

          17.   The information entry apparatus as set forth in claim 14, wherein the alphanumeric information processing unit has the information of the display fields in the confirmed state displayed by a second alphanumeric color

30   different from the first alphanumeric color.

          18.   An information entry system provided with:

          a private branch exchange connected to a public network;

          a plurality of receiving consoles for

35   receiving calls from general callers through the private branch exchange; a call routing system operation panel for connecting/disconnecting the exchange line system,

and

a plurality of command consoles for connecting to instruction lines and/or radio lines to issue instructions to instruction receivers of related stations and/or radio units; and

a local area network connecting the plurality of receiving consoles and the plurality of command consoles to enable calls to be made or monitoring to be started and stopped among any receiving consoles and any command consoles by a predetermined link control operation of the receiving console side and/or command console side, wherein

the entered information entered to and produced at an information entry apparatus is able to be shared through the calls or monitoring, and

the receiving consoles each comprises a call routing system operation panel for connecting/disconnecting the exchange line system, and an information entry apparatus comprising an information entry apparatus provided with an alphanumeric entry unit for entering alphanumeric string information, a display unit for displaying keywords comprised of predetermined alphanumeric strings in a plurality of corresponding fields on a display screen, a word dictionary for storing a plurality of keywords corresponding to the plurality of fields and a plurality of similar words for deducing those keywords linked with each of those keywords, and an alphanumeric information processing unit for cutting out predetermined word strings from the entered alphanumeric string, searching through the word dictionary by the cut out words, extracting corresponding group of keywords from a dictionary column for which matches are obtained by comparison with keywords of the dictionary or similar words, and displaying these all at once in the plurality of corresponding fields of the display unit.